

Claims

- [c1] An assembly for use in combination with a torque converter and a crankshaft, said assembly comprising a stator; and a rotor which is coupled to said crankshaft, which is isolated from said torque converter, and which is in flux communication with said stator.
- [c2] The assembly of claim 1 wherein said assembly further includes a flexible plate member which is coupled to said crankshaft; and a plurality of fastening members which are coupled to said flexible plate member and to said torque converter and which traverses said rotor.
- [c3] The assembly of claim 2 wherein said rotor includes a central hub portion which is received by said crankshaft and wherein said assembly further includes at least a second fastener which couples said central hub portion to said crankshaft.
- [c4] The assembly of claim 1 wherein said at least a first fastener is substantially identical to said at least a second fastener.
- [c5] The assembly of claim 2 wherein said at least one fastening member has certain diameter and wherein said rotor has an aperture which is substantially larger than said certain diameter through which said at least one fastening member passes.
- [c6] The assembly of Claim 1 wherein said assembly further comprises a flexible plate member which is coupled to said crankshaft; at least one fastener which is coupled to said flexible plate member and to said torque converter, and wherein said rotor includes an outwardly protruding pocket which overlays said at least one fastener.
- [c7] The assembly of Claim 1 wherein said assembly further comprises a flexible plate member which is coupled to said crankshaft; at least one fastener which is coupled to said flexible plate member and to said torque converter, and wherein said rotor includes an outwardly protruding ring which overlays said at least one fastener.

[c8] The assembly of Claim 1 wherein said torque converter is disposed within a and wherein said assembly further comprises a flexible plate member which is coupled to said crankshaft, at least one fastener which is coupled to said flexible plate member and the said torque converter; a bearing support member which is disposed within said case; and a bearing which is coupled to said bearing support member and to said rotor.

[c9] The assembly of Claim 8 wherein said rotor includes an outwardly protruding pocket which overlays said at least one fastener.

[c10] The assembly of Claim 8 wherein said rotor includes an outwardly protruding ring which overlays said at least one fastener.

[c11] The assembly of Claim 9 wherein said outwardly protruding pocket is cupped.

[c12] An assembly for use in combination with a crankshaft and a torque converter, said assembly comprising a rotor which is coupled to said crankshaft; and a plate member which disposed between said rotor and said torque converter and having an outer portion which is coupled to torque converter by the use of a fastener which is isolated from said rotor.

[c13] The assembly of Claim 12 wherein said rotor is isolated from said torque converter.

[c14] The assembly of Claim 12 wherein said rotor is detached from said torque converter.

[c15] The assembly of Claim 12 further comprising at least one fastening member which is coupled to said plate member and to said torque converter.

[c16] The assembly of Claim 12 wherein said rotor includes at least one outwardly protruding ring.

[c17] The assembly of Claim 12 wherein said rotor includes at least one outwardly protruding pocket.

[c18] A method for mounting a motor within a vehicle of the type having a crankshaft and a torque converter which is housed within a case, said method comprising

the steps of mounting a first portion of said motor upon said crankshaft while causing said first portion to be separated from said torque converter; and mounting a second portion of said motor within said case, effective to allow said second portion of said motor to be in flux communication with said first portion.

[c19] The method of Claim 10 wherein said first portion comprises a rotor and wherein said second portion.

[c20] The method of claim 12 wherein said rotor is separated from said torque converter.

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